

ON TO 2050

Plan Indicators: Water Demand

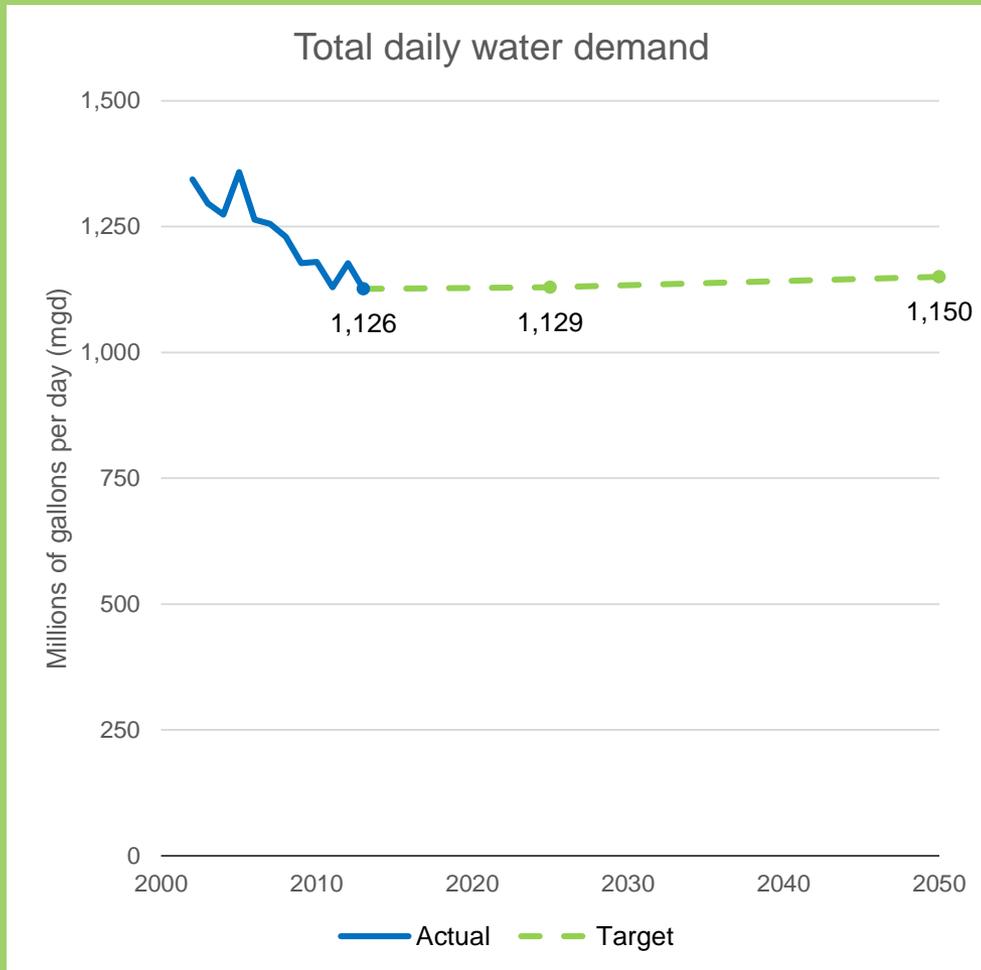
Environment and Natural Resources Committee
September 13, 2018

Changes Since Draft Plan

- Changed from “public supply water demand” (same as GO TO 2040) to “water demand” to align with ON TO 2050 regional water demand forecast by including self-supply demand for domestic, industrial and commercial uses
- Set targets – overall and per capita – for 2025 & 2050 based on regional water demand forecast

Indicator Targets

Total daily water demand

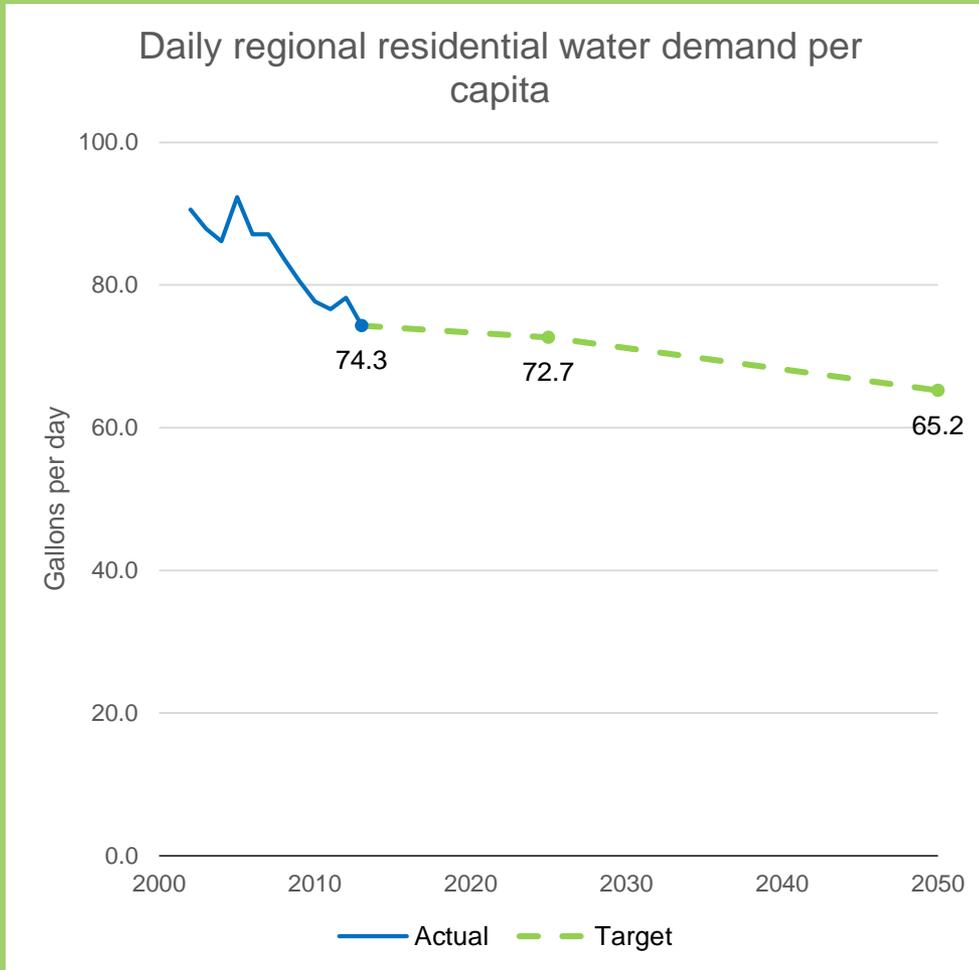


2025: 1,129 million gallons of water used daily

2050: 1,150 million gallons of water used daily

Indicator Targets

Daily residential water demand per capita



2025: 72.7 gallons of water used daily per capita

2050: 65.2 gallons of water used daily per capita

Comparison with GO TO 2040

GO TO 2040 Indicator

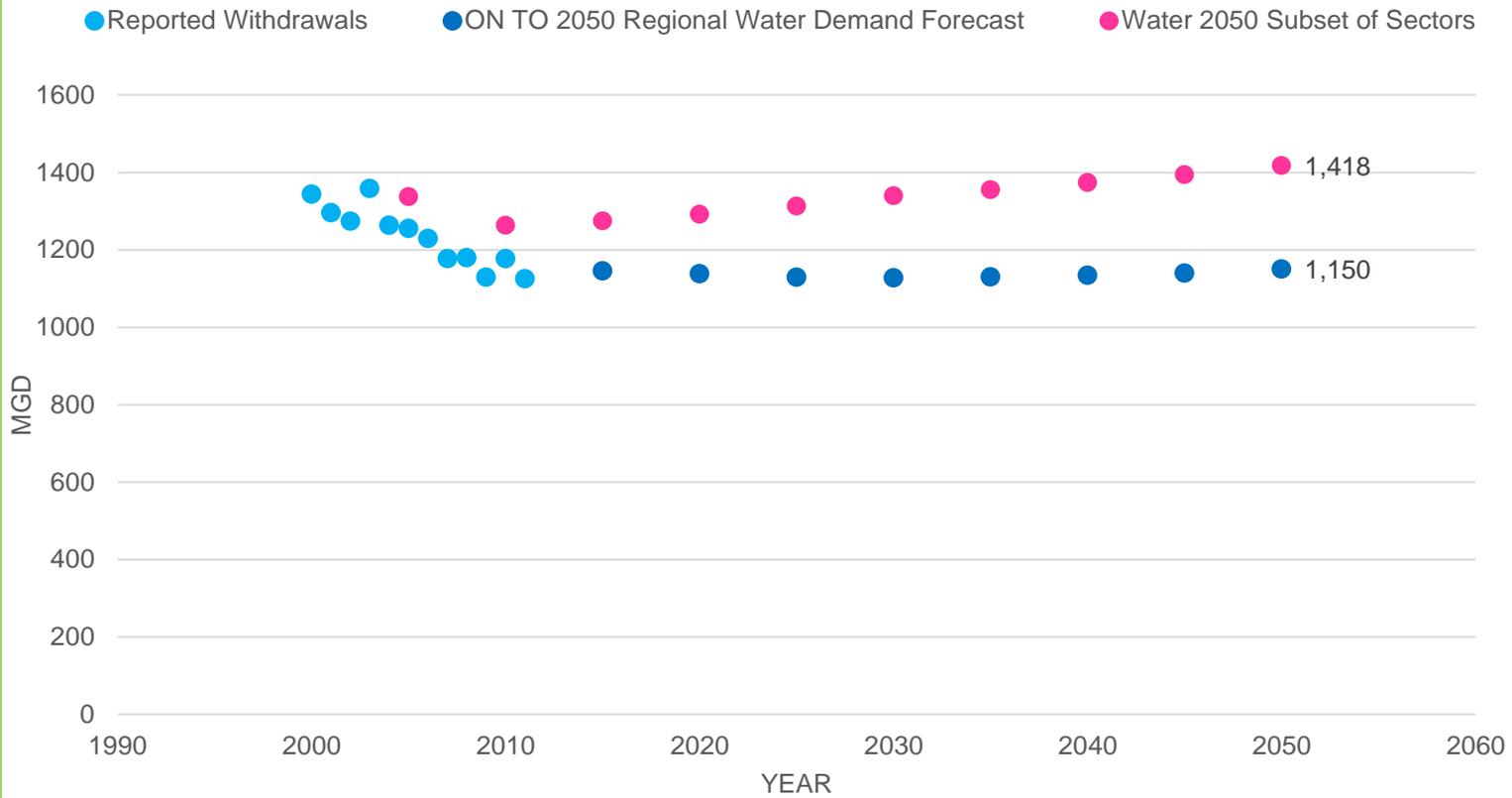
- Based on Water 2050 Forecast
- Public water supply sector only
- Targets from “Less Resource Intensive” scenario
- Allowed an increase in overall demand

ON TO 2050 Indicator

- Based on ON TO 2050 Regional Water Demand Forecast
- Includes three sectors given forecast methodology
 - Public water supply
 - Industrial and Commercial self-supply
 - Domestic self-supply
- Forecast projects stable demand despite anticipated population and employment growth
- Improved historical data led to baseline adjustment

Comparison with GO TO 2040

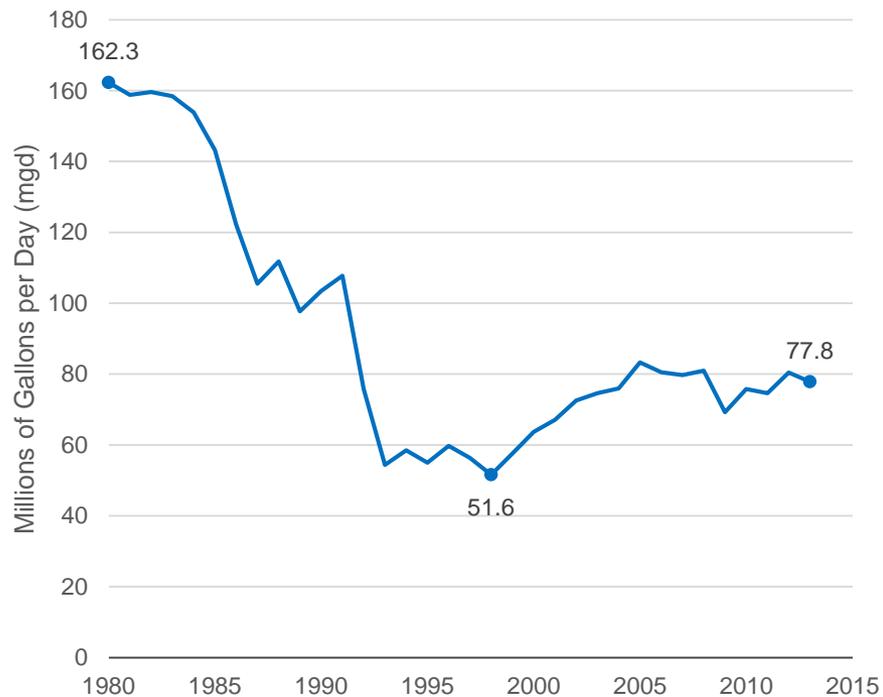
Total reported withdrawals (2000-2013), ON TO 2050 Regional Water Demand Forecast^a (2015-2050) with Water 2050 Less Resource Intensive Scenario,^b MGD



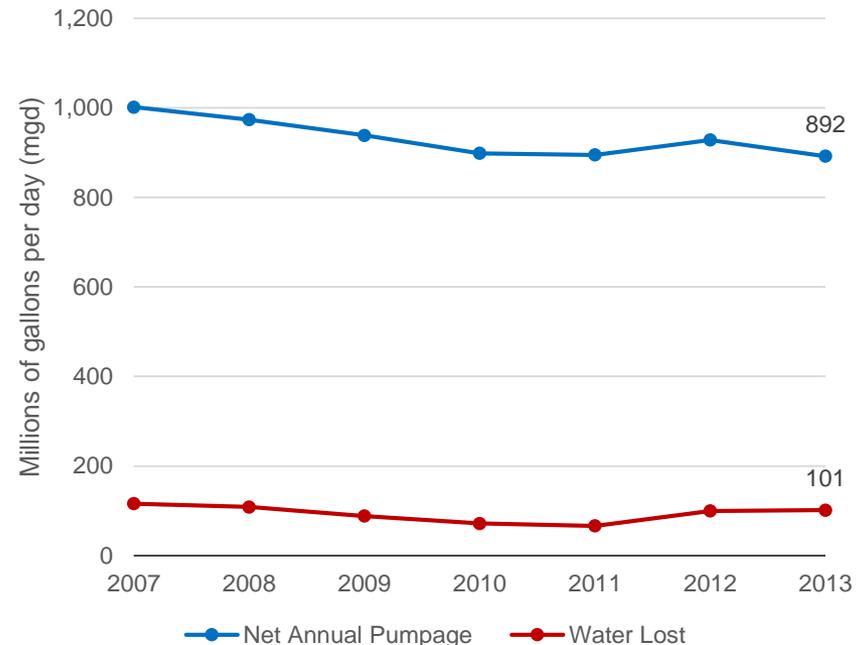
Reminder: Related Kindred Indicators

- **ON TO 2050 will also include “deep bedrock aquifer withdrawals” and “Lake Michigan withdrawals” as secondary kindred indicators (no targets)**

Deep bedrock aquifer withdrawals



Lake Michigan withdrawals:
net annual pumpage and loss



Thank You

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